

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/004023 A1**

(51) International Patent Classification<sup>7</sup>: **G06F 17/60, G07C 13/00**

(21) International Application Number: **PCT/NL2004/000496**

(22) International Filing Date: **8 July 2004 (08.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
1023861 8 July 2003 (08.07.2003) NL

(71) Applicant (*for all designated States except US*): **HOOGHEEMRAADSCHAP VAN RIJNLAND [NL/NL]; Archimedesweg 1, NL-2333 CM Leiden (NL).**

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **MACLAINE PONT, Pieter, Gerard [NL/NL]; Lynbaen 9, NL-8563 AZ Wijckel (NL).**

(74) Agents: **DOHmen, Johannes, Maria, Gerardus et al.; Algemeen Octrooi- en Merkenbureau, P.O. Box 645, NL-5600 AP Eindhoven (NL).**

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

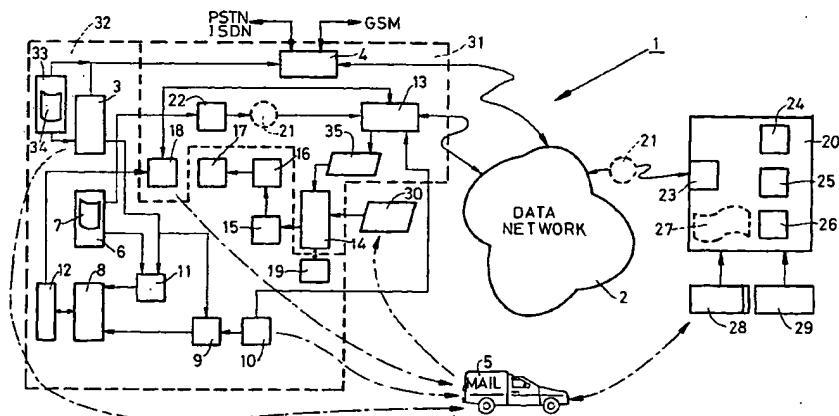
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*[Continued on next page]*

(54) Title: SYSTEM AND METHOD FOR ELECTRONIC VOTING



WO 2005/004023 A1

(57) Abstract: Electronic voting system (1) and method for collecting and counting votes from individual voters using electronic polling equipment (20). The system (1) comprises means (15) for validating votes from collected virtual ballot forms (27). The validating means (15) are arranged in such way that if a set of two or more virtual ballot forms (27) associated with an identical voter is collected, one virtual ballot form (27) of said set is validated as one valid vote of said voter. The remaining virtual ballot forms (27) of said set are marked as duplicate, provided said virtual ballot forms (27) of said set are identical as to the subject elected by said voter. Otherwise all virtual ballot forms (27) of said set are marked invalid. Thereby effectively preventing double counting of valid votes, among others, due to network problems causing a virtual ballot form (27) to be forwarded twice or even many more times.

WO 2005/004023 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*